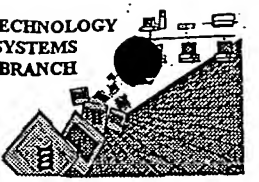

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/518,927
Source: PCT
Date Processed by STIC: 1-11-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

[redacted]equence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3 ____ Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(iii) NUMBER OF SEQUENCES" response to include the skipped sequences.
8 Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000
9 Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
11 ____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 ____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

SERIAL NUMBER: 10/518,927

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

AMC – Biotechnology Systems Branch – 09/09/2003

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10/518,927 Page 1

Sequence listing

Pls remove this info.

<120> DNA sequence and preparation of grass pollen allergen Phl p 4 by recombinant methods

This info should be placed into Sequence listing.

Sequenz-Protokoll Pls delete Page 2

<110> Merck Patent GmbH

<120> DNA-Sequenz und rekombinante Herstellung des Graspollen-Allergens Phl p 4

Pls do not use foreign language in U.S. Applications.

<130> P 02/101

<140> EP 02 013953.1

<141> 2002-06-25

Pls correct info. this to current application Number and filing date.

<160> 52

<170> PatentIn version 3.1

<210> 1

<211> 1503

<212> DNA

<213> Phleum pratense

<220>

<221> artificial_DNA_sequence

<222> (1)..(69)

<223> DNA sequence derived from sequenced protein

<220>

<221> native_DNA_sequence

<222> (70)..(1503)

<223>

This Sequence WAS not saved in ASCII text format. Pls see item # 4 on error summary sheet. delete

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

delete

delete

PAGE 3

<220>

<221> CDS

<222> (1)..(1503)

<223>

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

<400> 1

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tac ttc ccg ccg ccg gct gct aaa gaa gac ttc ctg ggt tgc ctg gtt       48
Tyr Phe Pro Pro Pro Ala Ala Lys Glu Asp Phe Leu Gly Cys Leu Val
1               5                  10                  15

aaa gaa atc ccg ccg cgt ctg ttg tac gcg aaa tcg tcg ccg gcg tat       96
Lys Glu Ile Pro Pro Arg Leu Leu Tyr Ala Lys Ser Ser Pro Ala Tyr
            20                  25                  30

ccc tca gtc ctg ggg cag acc atc cgg aac tcg cgg tgg tcg tcg ccg      144
Pro Ser Val Leu Gly Gln Thr Ile Arg Asn Ser Arg Trp Ser Ser Pro
        35                  40                  45

gac aac gtg aag ccg atc tac atc gtc acc ccc acc aac gcc tcc cac      192
Asp Asn Val Lys Pro Ile Tyr Ile Val Thr Pro Thr Asn Ala Ser His
    50                  55                  60

atc cag tcc gcc gtg gtg tgc ggc cgc cgg cac ggt gtc cgc atc cgc      240
Ile Gln Ser Ala Val Val Cys Gly Arg Arg His Gly Val Arg Ile Arg
65                  70                  75                  80

gtg cgc agc ggc ggg cac gac tac gag ggc ctc tcg tac cgg tcc ctg      288
Val Arg Ser Gly Gly His Asp Tyr Glu Gly Leu Ser Tyr Arg Ser Leu
                85                  90                  95

cag ccc gag gag ttc gcc gtc gtc gac ctt agc aag atg cgg gcc gtg      336
Gln Pro Glu Glu Phe Ala Val Val Asp Leu Ser Lys Met Arg Ala Val
            100                 105                 110

tgg gtg gac ggg aag gcc cgc acg gcg tgg gtc gac tcc ggc gcg cag      384
Trp Val Asp Gly Lys Ala Arg Thr Ala Trp Val Asp Ser Gly Ala Gln
        115                 120                 125

ctc ggc gag ctc tac tac gcc atc cac aag gcg agt aca gtg ctg gcg      432
Leu Gly Glu Leu Tyr Tyr Ala Ile His Lys Ala Ser Thr Val Leu Ala
    130                 135                 140

ttc ccg gcc ggc gtg tgc ccg acc atc ggc gtg ggc ggc aac ttc gcg      480
Phe Pro Ala Gly Val Cys Pro Thr Ile Gly Val Gly Gly Asn Phe Ala
145                 150                 155                 160

ggc ggc ggc ttc ggc atg ctg ctg cgc aag tac ggc atc gcg gcc gag      528
Gly Gly Gly Phe Gly Met Leu Leu Arg Lys Tyr Gly Ile Ala Ala Glu
                165                 170                 175

aac gtc atc gac gtg aag ctc gtc gac gcc aac ggc acg ctg cac gac      576
Asn Val Ile Asp Val Lys Leu Val Asp Ala Asn Gly Thr Leu His Asp
            180                 185                 190

aag aag tcc atg ggc gac gac cat ttc tgg gcc gtc agg ggc ggc ggg      624
Lys Lys Ser Met Gly Asp Asp His Phe Trp Ala Val Arg Gly Gly Gly
        195                 200                 205
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p/s see item #4 on error summary sheet.

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